FORM 5	MDEQ	MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY APPLICATION FOR AIR POLLUTION CONTROL PERMIT

Adsorption — Section L3

1. Adsorption Equipment Description

A. Emission Point Designation (Ref. No.): _____

B. Equipment Description (include the process(es) that adsorption controls emissions from):

C. Manufacturer: _____ D. Model: _____

E. Status: ☐ Operating ☐ Proposed ☐ Under Construction

2. Adsorption Data

A. Adsorption Type: ☐ Nonregenerative ☐ One-pass regenerative ☐ Two-pass regenerative
☐ Recirculating ☐ Other: _____

B. Regenerative Method: ☐ Discarded ☐ Chemical ☐ Thermal (dry heat)
☐ Thermal (steam) ☐ Pressure Swing ☐ Other: _____

C. Adsorption Material: _____

D. Efficiency: _____ % Controlling the following pollutant(s): _____

E. Inlet air flow rate: _____ acfm F. Pressure Drop: _____ in. of H_2O

G. Inlet Temperature: _____ ^oF H. No. of compartments/beds: _____

I. Size of Adsorbent Bed:
1. Length: _____ ft 2. Width: _____ ft
3. Height: _____ ft 4. Diameter: _____ ft

J. Regenerative Cycle:
1. Time to maximum saturation (specify units): _____
2. Maximum time for desorption (specify units): _____

K. How are emissions controlled during regeneration?

L. How is spent absorbent disposed of if not regenerated on site?